

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Koichi KIMOTSUKI, et al.

Serial No.

Group Art Unit:

Confirmation No.

Filed: February 19, 2002

Examiner:

For: WAVELENGTH DIVISION MULTIPLEXING OPTICAL TRANSMISSION APPARATUS

**AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Before examination of same, please amend the above-identified application, as follows:

**IN THE CLAIMS:**

Please REPLACE claims 4 and 5 and ADD new claims 6-9, in accordance with the following:

4. (AS ONCE AMENDED HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 1, wherein
- the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and
- the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

5. (AS ONCE AMENDED HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 1, wherein
- the light emitting means comprises a plurality of light sources, and
- the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the